

Title (en)  
A METHOD FOR OPERATING A WIND TURBINE AND A WIND TURBINE

Title (de)  
VERFAHREN ZUM BETRIEB EINER WINDTURBINE UND WINDTURBINE

Title (fr)  
PROCÉDÉ DE FONCTIONNEMENT D'UNE ÉOLIENNE ET ÉOLIENNE

Publication  
**EP 4102058 A1 20221214 (EN)**

Application  
**EP 21178317 A 20210608**

Priority  
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Abstract (en)  
A method for operating a wind turbine is disclosed, wherein said wind turbine comprises a rotor having at least one rotor blade with a rotor blade surface and an icing detection device for detecting an icing condition for the rotor blade and/or for detecting the presence of icing on the rotor blade. Further, a controller configured for controlling a rotational speed of the rotor can be provided. The method comprises the steps of monitoring, via the controller and/or via the icing detection device, whether an icing condition for the rotor blade is present and/or if icing on the surface of the wind turbine is present, thus, that ice has been generated on the surface. If an icing condition is detected, or if it is detected that ice has generated on the surface of the rotor blade, the wind turbine is operated further according to a de-rated icing-mode having a reduced rotational speed, in particular while maintaining a generation of electrical energy by a generator of the wind turbine.

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Citation (search report)

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